



TEST REPORT

Report No.: CCI250100883EN-1-2

Report Date: Mar. 10, 2025

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Applicant : Autel Digital Power Co., Ltd.
 Floors 1,2, 3 and 6, Caihong Keji Building, 36 Hi-tech North Six Road, Songpingshan
Address : Community, Xili Sub-district, Nanshan District, 518000 Shenzhen, Guangdong, PEOPLE'S
 REPUBLIC OF CHINA

(The following sample(s) was (were) submitted and identified by client as)

Sample Name : MaxiCharger Fully-modular All-in-one Charger
Model/Item No. : MaxiCharger DH480
Brand : AUTEL
Test Period : From Jan. 13, 2025 to Mar. 07, 2025
Tests Conducted : As requested by the applicant, for details refer to next page(s).

Executive Summary:

No.	TESTED SAMPLE	STANDARD	CONCLUSION
1	Tested material(s) of submitted sample(s)	As specified by the client, according to REACH Regulation (EC) No.1907/2006, to determine the content of the two hundred and forty-seven Substances of Very High Concern (SVHC) in the submitted sample.	See Remark

Remark: The test result for the concentration of each of 247 SVHC which are in the current candidate list updated on Jan. 21, 2025 in the tested materials of submitted sample was **LESS THAN 0.1%**

Signed for and on behalf of
 Compliance Control Institute (Guangzhou) Co., Ltd.

Approved by: 

Pascal SHI/Technical Director



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TESTS CONDUCTED:

Test Method: By using microwave digestion or solvent extraction methods, and the analysis was performed by ICP-OES, GC-MS, LC-MS, IC and UV-Vis.

Test Item	Test Result (%)						RL (%)
	1	2	3	4	5	6	
247 SVHC	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.05

Test Item	Test Result (%)						RL (%)
	7	8	9	10	11	12	
247 SVHC	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.05

Test Material(s) List

Material No.	Description
1	Shell non-metallic materials (All mixed)
2	Shell metal materials (All mixed)
3	PCB capacitance IC Resistance materials (All mixed)
4	PCB metal materials (All mixed)
5	PCB plastic materials (All mixed)
6	Wire sheath plastic materials (All mixed)
7	Wire metal materials (All mixed)
8	Screw holder materials (All mixed)
9	Accessories plastic materials (All mixed)
10	Accessories metal materials (All mixed)
11	Charging cable plastic material (All mixed)
12	Charging cable metal material (All mixed)



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Two hundred and forty-seven Substances of Very High Concern (SVHC):

No.	Substance Name	CAS number	EC number	Classification
001	Lead hydrogen arsenate*	7784-40-9	232-064-2	Carcinogenic and toxic for reproduction
002	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	Endocrine disrupting properties
003	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0	Endocrine disrupting properties
004	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	vPvB
005	Diarsenic trioxide*	1327-53-3	215-481-4	Carcinogenic
006	Bis(tributyltin)oxide*	56-35-9	200-268-0	PBT
007	Triethyl arsenate*	15606-95-8	427-700-2	Carcinogenic
008	Diarsenic pentaoxide*	1303-28-2	215-116-9	Carcinogenic
009	Sodium dichromate*	7789-12-0 10588-01-9	234-190-3	Carcinogenic, mutagenic and toxic for reproduction
010	Dibutyl phthalate (DBP)	84-74-2	201-557-4	Toxic for reproduction (Article 57 c); Endocrine disrupting properties (Article 57 f - environment); Endocrine disrupting properties (Article 57 f - human health)
011	4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	Carcinogenic
012	Short Chain Chlorinated Paraffins [#]	85535-84-8	287-476-5	PBT and vPvB
013	Anthracene	120-12-7	204-371-1	PBT
014	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified α - HBCDD; β - HBCDD γ - HBCDD	3194-55-6 25637-99-4 (134237-50-6) (134237-51-7) (134237-52-8)	221-695-9 247-148-4 / / /	PBT
015	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	215-693-7	Carcinogenic and toxic for reproduction

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No.	Substance Name	CAS number	EC number	Classification
016	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	235-759-9	Carcinogenic and toxic for reproduction
017	Anthracene oil [#]	90640-80-5	292-602-7	Carcinogenic, PBT and vPvB
018	2,4-Dinitrotoluene	121-14-2	204-450-0	Carcinogenic
019	Anthracene oil, anthracene paste, anthracene fraction [#]	91995-15-2	295-275-9	Carcinogenic, mutagenic, PBT and vPvB
020	Anthracene oil, anthracene-low [#]	90640-82-7	292-604-8	Carcinogenic, mutagenic, PBT and vPvB
021	Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	Toxic for reproduction
022	Diisobutyl phthalate(DIBP)	84-69-5	201-553-2	Endocrine disrupting properties
023	Lead chromate*	7758-97-6	231-846-0	Carcinogenic and toxic for reproduction
024	Anthracene oil, anthracene paste [#]	90640-81-6	292-603-2	Carcinogenic, mutagenic, PBT and vPvB
025	Pitch, coal tar, high temp. [#]	65996-93-2	266-028-2	Carcinogenic, PBT and vPvB
026	Anthracene oil, anthracene paste, distn. lights [#]	91995-17-4	295-278-5	Carcinogenic, mutagenic, PBT and vPvB
027	Acrylamide	79-06-1	201-167-4	Carcinogenic and mutagenic
028	Trichloroethylene	79-01-6	201-173-7	Carcinogenic
029	Potassium dichromate*	7778-50-9	231-906-6	Carcinogenic, mutagenic and toxic for reproduction
030	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	Toxic for reproduction
031	Ammonium dichromate*	7789-09-5	232-143-1	Carcinogenic, mutagenic and toxic for reproduction
032	Boric acid*	10043-35-3 11113-50-1	233-139-2 234-343-4	Toxic for reproduction
033	Sodium chromate*	7775-11-3	231-889-5	Carcinogenic, mutagenic and toxic for reproduction

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No.	Substance Name	CAS number	EC number	Classification
034	Disodium tetraborate, anhydrous*	12179-04-3 1303-96-4 1330-43-4	215-540-4	Toxic for reproduction
035	Potassium chromate*	7789-00-6	232-140-5	Carcinogenic and mutagenic
036	Cobalt(II) diacetate*	71-48-7	200-755-8	Carcinogenic and toxic for reproduction
037	Cobalt(II) sulphate*	10124-43-3	233-334-2	Carcinogenic and toxic for reproduction
038	2-Ethoxyethanol	110-80-5	203-804-1	Toxic for reproduction
039	Acids generated from chromium trioxide and their oligomers. Group containing: Chromic acid, Dichromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	231-801-5 236-881-5	Carcinogenic
040	2-Methoxyethanol	109-86-4	203-713-7	Toxic for reproduction
041	Chromium trioxide*	1333-82-0	215-607-8	Carcinogenic and mutagenic
042	Cobalt(II) carbonate*	513-79-1	208-169-4	Carcinogenic and toxic for reproduction
043	Cobalt(II) dinitrate*	10141-05-6	233-402-1	Carcinogenic and toxic for reproduction
044	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	Toxic for reproduction
045	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	Toxic for reproduction
046	Strontium chromate*	7789-06-2	232-142-6	Carcinogenic



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No.	Substance Name	CAS number	EC number	Classification
047	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	Toxic for reproduction
048	1,2,3-Trichloropropane	96-18-4	202-486-1	Carcinogenic and toxic for reproduction
049	2-Ethoxyethyl acetate	111-15-9	203-839-2	Toxic for reproduction
050	Hydrazine	302-01-2 7803-57-8	206-114-9	Carcinogenic
051	Cobalt dichloride*	7646-79-9	231-589-4	Carcinogenic and toxic for reproduction
052	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	Equivalent level of concern having probable serious effects to the environment
053	N,N-dimethylacetamide	127-19-5	204-826-4	Toxic for reproduction
054	Phenolphthalein	77-09-8	201-004-7	Carcinogenic
055	Lead diazide, Lead azide*	13424-46-9	236-542-1	Toxic for reproduction
056	Lead dipicrate*	6477-64-1	229-335-2	Toxic for reproduction
057	1,2-dichloroethane	107-06-2	203-458-1	Carcinogenic
058	Calcium arsenate*	7778-44-1	231-904-5	Carcinogenic
059	Dichromium tris(chromate)*	24613-89-6	246-356-2	Carcinogenic

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No.	Substance Name	CAS number	EC number	Classification
060	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	Carcinogenic
061	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	Carcinogenic
062	Arsenic acid*	7778-39-4	231-904-5	Carcinogenic
063	Potassium hydroxyoctaoxo-dizincatedichromate*	11103-86-9	234-329-8	Carcinogenic
064	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1	Carcinogenic
065	Lead styphnate*	15245-44-0	239-290-0	Toxic for reproduction
066	Trilead diarsenate*	3687-31-8	222-979-5	Carcinogenic and toxic for reproduction
067	Zirconia Aluminosilicate Refractory Ceramic Fibres*#	/	/	Carcinogenic
068	Bis(2-methoxyethyl) phthalate(DMEP)	117-82-8	204-212-6	Toxic for reproduction
069	Aluminosilicate Refractory Ceramic Fibres (RCF) *#	/	/	Carcinogenic
070	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	Toxic for reproduction
071	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9	Carcinogenic
072	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	229-851-8	Carcinogenic



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No.	Substance Name	CAS number	EC number	Classification
073	N,N,N',N'-tetramethyl-4,4'-methylenedianiline(Michler's base)	101-61-1	202-959-2	Carcinogenic
074	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)	59653-74-6	423-400-0	Mutagenic
075	Diboron trioxide*	1303-86-2	215-125-8	Toxic for reproduction
076	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	Toxic for reproduction
077	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	209-218-2	Carcinogenic
078	Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	Toxic for reproduction
079	Formamide	75-12-7	200-842-0	Toxic for reproduction
080	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethyl ammonium chloride (C.I. Basic Violet 3) [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	208-953-6	Carcinogenic
081	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	Toxic for reproduction
082	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [with \geq 0.1%	2580-56-5	219-943-6	Carcinogenic

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No.	Substance Name	CAS number	EC number	Classification
	of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]			
083	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	219-514-3	Mutagenic
084	4,4'-bis (dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	Carcinogenic
085	Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	Toxic for reproduction
086	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	Carcinogenic
087	Henicosafleuroundecanoic acid	2058-94-8	218-165-4	vPvB
088	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1	Equivalent level of concern having probable serious effects to human health
089	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	Equivalent level of concern having probable serious effects to human health
090	Dibutyltin dichloride *(DBTC)	683-18-1	211-670-0	Toxic for reproduction



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No.	Substance Name	CAS number	EC number	Classification
091	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	Toxic for reproduction
092	Lead dinitrate*	10099-74-8	233-245-9	Toxic for reproduction
093	Silicic acid, lead salt*	11120-22-2	234-363-3	Toxic for reproduction
094	4-Aminoazobenzene	60-09-3	200-453-6	Carcinogenic
095	Lead titanium zirconium oxide*	12626-81-2	235-727-4	Toxic for reproduction
096	Lead monoxide (lead oxide)*	1317-36-8	215-267-0	Toxic for reproduction
097	o-Toluidine	95-53-4	202-429-0	Carcinogenic
098	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	Toxic for reproduction
099	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1)*, lead-doped [with lead(Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	68784-75-8	272-271-5	Toxic for reproduction
100	Trilead bis(carbonate)dihydroxide*	1319-46-6	215-290-6	Toxic for reproduction
101	Furan	110-00-9	203-727-3	Carcinogenic

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No.	Substance Name	CAS number	EC number	Classification
102	N,N-dimethylformamide	68-12-2	200-679-5	Toxic for reproduction
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] #	2497-59-8 2315-61-9 9002-93-1	219-682-8 621-345-9 618-344-0	Equivalent level of concern having probable serious effects to the environment
104	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] #	52427-13-1 17404-66-9 30784-30-6 142731-63-3 84852-15-3 104-40-5 26543-97-5 186825-36-5 25154-52-3 186825-39-8 90481-04-2 11066-49-2 521947-27-3	257-907-1 241-427-4 250-339-5 635-391-2 284-325-5 203-199-4 247-770-6 635-389-1 246-672-0 635-696-0 291-844-0 234-284-4 635-388-6	Equivalent level of concern having probable serious effects to the environment
105	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	Carcinogenic
106	Diethyl sulphate	64-67-5	200-589-6	Carcinogenic; Mutagenic
107	Dimethyl sulphate	77-78-1	201-058-1	Carcinogenic
108	Lead oxide sulfate*	12036-76-9	234-853-7	Toxic for reproduction
109	Lead titanium trioxide*	12060-00-3	234-853-7	Toxic for reproduction
110	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	Toxic for reproduction

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111	[Phthalato(2-)]dioxotrilead*	69011-06-9	273-688-5	Toxic for reproduction
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	PBT; vPvB
113	N-methylacetamide	79-16-3	201-182-6	Toxic for reproduction
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	Toxic for reproduction
115	1,2-Diethoxyethane	629-14-1	211-076-1	Toxic for reproduction
116	Tetralead trioxide sulphate*	12202-17-4	235-380-9	Toxic for reproduction
117	N-pentyl-isopentylphthalate	776297-69-9	933-378-9	Toxic for reproduction
118	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	Toxic for reproduction
119	Tetraethyllead*	78-00-2	201-075-4	Toxic for reproduction
120	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	Toxic for reproduction
121	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	vPvB
122	Tricosafuorododecanoic acid	307-55-1	206-203-2	vPvB
123	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	vPvB
124	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	Toxic for reproduction
125	Methoxyacetic acid	625-45-6	210-894-6	Toxic for reproduction
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	Carcinogenic

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No.	Substance Name	CAS number	EC number	Classification
127	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	Carcinogenic; Mutagenic
128	Trilead dioxide phosphonate*	12141-20-7	235-252-2	Toxic for reproduction
129	o-aminoazotoluene	97-56-3	202-591-2	Carcinogenic
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	Toxic for reproduction
131	4,4'-oxydianiline and its salts	101-80-4	202-977-0	Carcinogenic; Mutagenic
132	Orange lead (lead tetroxide)*	1314-41-6	215-235-6	Toxic for reproduction
133	Biphenyl-4-ylamine	92-67-1	202-177-1	Carcinogenic
134	Diisopentylphthalate	605-50-5	210-088-4	Toxic for reproduction
135	Fatty acids, C16-18, lead salts*C16	91031-62-8	292-966-7	Toxic for reproduction
136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	Equivalent level of concern having probable serious effects to human health
137	Sulfurous acid, lead salt,dibasic*	62229-08-7	263-467-1	Toxic for reproduction
138	Lead cyanamidate*	20837-86-9	244-073-9	Toxic for reproduction
139	Cadmium	7440-43-9	231-152-8	Carcinogenic; Equivalent level of concern having probable serious effects to human health



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No.	Substance Name	CAS number	EC number	Classification
140	Cadmium oxide*	1306-19-0	215-146-2	Carcinogenic; Equivalent level of concern having probable serious effects to human health
141	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	Toxic for reproduction; PBT
142	Pentadecafluorooctanoic Acid (PFOA)	335-67-1	206-397-9	Toxic for reproduction; PBT
143	Dipentyl phthalate (DPP)	131-18-0	205-017-9	Toxic for reproduction
144	4-Nonylphenol, branched and linear, ethoxylated	/	/	Equivalent level of concern having probable serious effects to the environment (due to the endocrine disrupting properties of the degradation products)
145	Cadmium sulphide*	1306-23-6	215-147-8	Carcinogenic; Equivalent level of concern having probable serious effects to human health
146	C.I. Direct Red 28	573-58-0	209-358-4	Carcinogenic
147	C.I. Direct Black 38	1937-37-7	217-710-3	Carcinogenic
148	Dihexyl phthalate	84-75-3	201-559-5	Toxic for reproduction
149	Imidazolidine-2-thione (2-imidazoline- 2-thiol)	96-45-7	202-506-9	Toxic for reproduction
150	Lead di(acetate)*	301-04-2	206-104-4	Toxic for reproduction
151	Trixylyl phosphate	25155-23-1	246-677-8	Toxic for reproduction

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No.	Substance Name	CAS number	EC number	Classification
152	Cadmium chloride*	10108-64-2	233-296-7	Carcinogenic; Mutagenic; Toxic for Reproduction; Equivalent level of concern having probable serious effects to human health
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	Toxic for reproduction
154	Sodium peroxometaborate*	7632-04-4	231-556-4	Toxic for reproduction
155	Sodium perborate; perboric acid, sodium salt*	/	/	Toxic for reproduction
156	2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	25973-55-1	247-384-8	PBT; vPvB
157	2-(2'-Hydroxy-3',5'-di-tert- butylphenyl)benzotriazole (UV-320)	3846-71-7	223-346-6	PBT; vPvB
158	Cadmium fluoride*	7790-79-6	232-222-0	PBT; vPvB
159	Cadmium sulphate*	10124-36-4 31119-53-6	233-331-6	PBT; vPvB
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7- oxo-8-oxa-3,5-dithia-4- stannatetradecanoate; DOTE	15571-58-1	239-622-4	Toxic for reproduction
161	Reaction mass of 2-ethylhexyl 10- ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5- dithia-4-stannatetradecanoate and 2- ethylhexyl 10-ethyl-4-[[2-[(2- ethylhexyl)oxy]-2-oxoethyl]thio]-4- octyl-7-oxo-8-oxa-3,5-dithia-4- stannatetradecanoate (reaction mass of DOTE and MOTE)#	/	/	Toxic for reproduction

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No.	Substance Name	CAS number	EC number	Classification
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	271-094-0 272-013-1	Toxic for reproduction
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane[1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane[2][covering any of the individual isomers of [1] and [2] or any combination thereof] [#]	/	/	vPvB
164	Nitrobenzene	98-95-3	202-716-0	Toxic for reproduction (Article 57c)
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	vPvB (Article 57 e)
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	vPvB (Article 57 e)
167	1,3-propanesultone	1120-71-4	214-317-9	Carcinogenic (Article 57 a)
168	Perfluorononan-1-oi-c-acid and its sodium and ammonium saltspropanesultone	375-95-1 21049-39-8 4149-60-4	206-801-3 / /	Toxic for reproduction (Article 57 c) PBT (Article 57 d)
169	Benzo[a]pyrene	50-32-8	200-028-5	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) PBT (Article 57d) vPvB (Article 57e)

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No.	Substance Name	CAS number	EC number	Classification
170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	201-245-8	Endocrine disrupting properties
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2	206-400-3	Toxic for reproduction, PBT
172	4-heptylphenol, branched and linear (4-HPbl)	/	/	Proposed by Austria, due to their endocrine-disrupting properties for the environment
173	4-tert-pentylphenol (PTAP)	80-46-6	201-280-9	Proposed by Austria, due to their endocrine-disrupting properties for the environment
174	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	206-587-1	vPvB (Article 57 e)
175	Chrysene	218-01-9	205-923-4	Carcinogenic; PBT; vPvB
176	Benz[a]anthracene	56-55-3	200-280-6	Carcinogenic; PBT; vPvB
177	Cadmium nitrate*	10325-94-7	233-710-6	Carcinogenic; Mutagenic; Specific target organ toxicity after repeated exposure.
178	Cadmium hydroxide*	21041-95-2	244-168-5	Carcinogenic; Mutagenic; Specific target organ toxicity after repeated exposure.
179	Cadmium carbonate*	513-78-0	208-168-9	Carcinogenic; Mutagenic; Specific target organ toxicity after repeated exposure.



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No.	Substance Name	CAS number	EC number	Classification
180	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof] [#]	/	/	vPvB
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear] [#]	/	/	Endocrine disrupting properties
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	209-008-0	Respiratory sensitizing properties (Article 57(f)-human health)
183	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	Toxic for reproduction, Article 57(c); Endocrine disrupting properties (Article 57(f)-human health)
184	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	PBT (Article 57d) vPvB (Article 57e)
185	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	PBT (Article 57d) vPvB (Article 57e)
186	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	PBT (Article 57d) vPvB (Article 57e)
187	Lead	7439-92-1	231-100-4	Toxic for reproduction (Article 57c)
188	Disodium octaborate*	12008-41-2	234-541-0	Toxic for reproduction (Article 57c)



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No.	Substance Name	CAS number	EC number	Classification
189	Benzo[ghi]perylene	191-24-2	205-883-8	PBT (Article 57d) vPvB (Article 57e)
190	Terphenyl hydrogenated	61788-32-7	262-967-7	vPvB (Article 57e)
191	Ethylenediamine (EDA)	107-15-3	203-468-6	Respiratory sensitizing properties (Article 57(f)-human health)
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	Toxic for reproduction (Article 57c)
193	Benzo[k]fluoranthene	207-08-9	205-916-6	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e)
194	Fluoranthene	206-44-0	205-912-4	PBT (Article 57d) vPvB (Article 57e)
195	Phenanthrene	85-01-8	201-581-5	vPvB (Article 57e)
196	Pyrene	129-00-0	204-927-3	PBT (Article 57d) vPvB (Article 57e)
197	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one	15087-24-8	239-139-9	Endocrine disrupting properties (Article 57(f) - environment)
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) [#]	/	/	Equivalent level of concern having probable serious effects to human health (Article 57(f)-human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f)-environment)



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No.	Substance Name	CAS number	EC number	Classification
199	4-tert-butylphenol	98-54-4	202-679-0	Endocrine disrupting properties (Article 57(f) - environment)
200	2-methoxyethyl acetate	110-49-6	203-772-9	Toxic for reproduction (Article 57c)
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	/	/	Endocrine disrupting properties (Article 57(f) - environment)
202	Perfluorobutane sulfonic acid (PFBS) and its salts	/	/	Equivalent level of concern having probable serious effects to human health (Article 57(f)-human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f)-environment)
203	Diisohexyl phthalate	71850-09-4	276-090-2	Toxic for reproduction (Article 57c)
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	Toxic for reproduction (Article 57c)
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	Toxic for reproduction (Article 57c)
206	1-vinylimidazole	1072-63-5	214-012-0	Toxic for reproduction (Article 57c)

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No.	Substance Name	CAS number	EC number	Classification
207	2-methylimidazole	693-98-1	211-765-7	Toxic for reproduction (Article 57c)
208	butyl 4-hydroxybenzoate	94-26-8	202-318-7	Endocrine disrupting properties (Article 57(f) - human health)
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	Toxic for reproduction (Article 57c)
210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	205-594-7	Toxic for reproduction (Article 57c)
211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety [#]	/	/	Toxic for reproduction (Article 57c)
212	2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers [#]	/	/	Toxic for reproduction (Article 57 c)
213	Orthoboric acid, sodium salt	13840-56-7	237-560-2	Toxic for reproduction (Article 57 c)
214	2,2-bis(bromomethyl)propane 1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0, 36483-57-5, 1522-92-5, 96-13-9	221-967-7, 253-057-0, 202-480-9	Carcinogenic (Article 57 a)



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No.	Substance Name	CAS number	EC number	Classification
215	Glutaral	111-30-8	203-856-5	Respiratory sensitising properties (Article 57f - human health)
216	Medium-chain chlorinated paraffins (MCCP) (UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17) [#]	/	/	PBT (Article 57d) vPvB (Article 57e)
217	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) [#]	/	/	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57f - human health and environment)
218	1,4-dioxane	123-91-1	204-661-8	Carcinogenic (Article 57a) Equivalent level of concern having probable serious effects to the environment (Article 57f - environment) Equivalent level of concern having probable serious effects to human health (Article 57f - human health)
219	4,4'-(1-methylpropylidene) bisphenol	77-40-7	201-025-1	Endocrine disrupting properties (Article 57f - human health and environment)
220	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	204-327-1	Toxic for reproduction (Article 57 c)
221	tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	Toxic for reproduction (Article 57 c)



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No.	Substance Name	CAS number	EC number	Classification
222	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	/	/	Endocrine disrupting properties (Article 57 f - human health)
223	S-(tricyclo(5.2.1.0 _{2,6})deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	401-850-9	PBT (Article 57 d)
224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	Carcinogenic; Mutagenic
225	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	37853-59-1	253-692-3	Very persistent and very bioaccumulative (REACH Article 57 e)
226	2,2',6,6'-tetrabromo-4,4'-isopropylidene diphenol	79-94-7	201-236-9	Carcinogenic (Article 57 a)
227	4,4'-sulphonyldiphenol (BPS)	80-09-1	201-250-5	Toxic for reproduction (Article 57 c); Endocrine disrupting properties (Article 57 f - environment); Endocrine disrupting properties (Article 57 f - human health)
228	Barium diboron tetraoxide	13701-59-2	237-222-4	Toxic for reproduction (Article 57 c)



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No.	Substance Name	CAS number	EC number	Classification
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	/	/	Very persistent and very bioaccumulative (Article 57 e)
230	Isobutyl 4-hydroxybenzoate	4247-02-3	224-208-8	Endocrine disrupting properties (Article 57 f - human health)
231	Melamine	108-78-1	203-615-4	Equivalent level of concern having probable serious effects to human health (Article 57 f - human health); Equivalent level of concern having probable serious effects to the environment (Article 57 f - environment)
232	Perfluoroheptanoic acid and its salts	/	/	Toxic for reproduction (Article 57 c); Persistent, bioaccumulative and toxic (Article 57 d); Very persistent and very bioaccumulative (Article 57 e); Equivalent level of concern having probable serious effects to human health (Article 57 f - human health); Equivalent level of concern having probable serious effects to the environment (Article 57 f - environment)
233	Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	/	473-390-7	Very persistent and very bioaccumulative (Article 57 e)



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No.	Substance Name	CAS number	EC number	Classification
234	Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	75980-60-8	278-355-8	Toxic for reproduction (Article 57 c)
235	Bis (4-chlorophenyl) sulphone	80-07-9	201-247-9	Very persistent and very bioaccumulative (Article 57 e)
236	2,4,6-tri-tert-butylphenol	732-26-3	211-989-5	Toxic for reproduction (Article 57c) ; PBT (Article 57d)
237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	3147-75-9	221-573-5	vPvB (Article 57e)
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	438-340-0	Toxic for reproduction (Article 57c)
239	Bumetrizole	3896-11-5	223-445-4	vPvB (Article 57e)
240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	700-960-7	/	vPvB (Article 57e)
241	Bis(α , α -dimethylbenzyl) peroxide	80-43-3	201-279-3	Toxic for reproduction (Article 57c)



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No.	Substance Name	CAS number	EC number	Classification
242	Triphenyl phosphate	115-86-6	204-112-2	Endocrine disrupting properties (Article 57(f)- environment)
243	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	701-118-1	Toxic for reproduction (Article 57c)
244	O,O,O-triphenyl phosphorothioate	597-82-0	209-909-9	Persistent, bioaccumulative and toxic, PBT(Article 57d)
245	Octamethyltrisiloxane	107-51-7	203-497-4	Very persistent, very bioaccumulative, vPvB (Article 57e)
246	Perfluamine	338-83-0	206-420-2	Very persistent, very bioaccumulative, vPvB (Article 57e)
247	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	421-820-9	Persistent, bioaccumulative and toxic, PBT (Article 57d)



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Remark:

1. N.D. = Not Detected (lower than reporting limit) RL = Reporting Limit % = percentage by weight
2. PBT = Persistent, Bio accumulative and Toxic as defined in Regulation (EC) No 1907/2006
3. vPvB = Very persistent and very bio accumulative as defined in Regulation (EC) No 1907/2006
4. If the article contains a material type whose weight is less than 0.1% of the total article weight, this material type is ignored for testing.
5. * = Result is based on the representative heavy metal concentration. Due to the limit of the analytical technology available, when the calculated result of target substance by chemometrics is higher than the request limit, the client is strongly advised to review the chemical formulation to ascertain.
6. # = The SVHC which is defined as UVCB substance (substances of **U**nknown or **V**ariable composition, **C**omplex reaction products or **B**iological materials) under REACH regulation cannot be sufficiently identified by its chemical composition as the number of constituents is relatively large and/or the composition is, to a significant part, unknown and/or the variability of composition is relatively large or poorly predictable. So the test result is calculated as per the selected identifiers of the SVHC basing on the worst-case scenario.
7. If a SVHC is found over the request limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by further request of quantitative analysis.

Notes:

- 1) The limit of 0.1% (w / w) applies to an article. The test results herein were obtained for the tested materials which come from the articles of the submitted sample, they are not reported as the concentration of SVHC in an individual article. However, the results may not be applicable if the intended use of the sample is a substance or mixture. According to REACH, the definitions of article, substance or mixture are:
 - i Article - An object during production is given a special shape, surface or design which determines its function
 - ii Substance - A chemical element and its compound in the natural state or obtained by any manufacturing
 - iii Mixture (Previously known as "Preparation") - A mixture or solution composed of two or more substances
- 2) In accordance with Article 7 of Regulation (EC) No. 1907 / 2006 (REACH regulation) – Registration and notification of substances in articles, any producer or importer of articles shall notify ECHA, if a substance meeting the criteria in Article 57 and is identified in accordance with Article 59(1), if both (1) the substance is present in those articles in quantities totaling over 1 tonne per producer or importer per year & (2) the substance is present in those articles above a concentration of 0.1% weight by weight (w / w) are met. The information to be notified shall include (a) identity and contact details of the producer or importer, (b) the registration numbers, (c) the identity of the substance and (d) the classification of the substance, (e) a brief description of the use of the substance and (f) the tonnage range of the substance.
- 3) In accordance with Article 33 of Regulation (EC) No. 1907 / 2006 (REACH regulation) – Duty to communicate information on substances in articles, any supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in concentration above 0.1% weight by weight (w / w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance. On request by a consumer the relevant information shall be provided by any supplier of an article free of charge, within 45 days of receipt of the request.



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4) In accordance with Article 9(1)(i) of DIRECTIVE 2008/98/EC (Waste Framework Directive) – Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market have to submit information on these articles to ECHA through SCIP database, as from 5 January 2021.

Test Photo Appendix





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Additional Photo Appendix





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APPENDIX :

Reference model No.:

E H q - N rrrr ssss t uu v w x y zz

"q" denotes for power output, "q" can be:

480: 480KW

440: 440KW

400: 400KW

360: 360KW

320: 320KW

280: 280KW

240: 240KW

200: 200KW

160: 160KW

120: 120KW

"r" denotes for connector type, "r" can be:

B: CCS2

C: CHAdEMO

0: No connector

"s" denotes for rated current, "s" can be:

3: Rated current is 200A

4: Rated current is 300A

5: Rated current is 380A

"t" denotes for cable length, "t" can be:

5: $4 \leq L \leq 6m$

7: $6 < L \leq 7.5m$

A: $7.5m < L \leq 10m$

"u" denotes for screen size, "u" can be:

0: No Screen

1: 27' screen

2: 8' screen

3: 15.6' screen

"v" denotes for POS payment, "v" can be:

0: No POS

1: With POS

"w" denotes for metering, "w" can be:

0: Standard

E: PTB

"x" denotes for CMS, "x" can be:

0: No CMS

A: Spring CMS

B: Swing arm CMS

"y" denotes for network, "z" can be:

0: No

A: 4G

B: 5G

"zz" denotes for version, "zz" can be:

01 to 99 to indicate the version number

★★★★★End of Report★★★★★

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